

CLAIMS

1. A polyolefin resin composition, comprised of a polyolefin, polyamide fibers, a silane coupling agent and silica particles.
2. The polyolefin resin composition as set forth in claim 1, wherein the polyamide fibers are comprised of the silica particles.
3. The polyolefin resin composition as set forth in claim 1, wherein the content of the silica particles falls within a range from 1 to 100 parts by weight relative to 100 parts by weight of the polyolefin therein.
4. The polyolefin resin composition as set forth in claim 1, wherein a blend ratio of the polyolefin to the polyamide fibers in the polyamide ultrafine fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1 (polyolefin:polyamide).
5. The polyolefin resin composition as set forth in claim 4, wherein the blend ratio is 8:2 (polyolefin:polyamide).
6. The polyolefin resin composition as set forth in claim 1, wherein a mean fiber diameter of the fibrously dispersed polyamide is not greater than 1 μm , and an aspect ratio thereof falls within a range from 20 to 1000.

7. A method of producing a polyolefin resin composition, comprising steps of:

preparing a resin composition comprised of at least a polyolefin, polyamide fibers, and a silane coupling agent;

preparing silica particles; and

kneading the resin composition and the silica particles.

8. A method of producing a polyolefin resin composition, comprising steps of:

preparing a resin composition comprised of at least a polyolefin, a silane coupling agent, and silica particles;

preparing a polyamide; and

kneading the resin composition and the polyamide.

9. A method of producing a polyolefin resin composition, comprising steps of:

preparing a polyolefin, a polyamide, a silane coupling agent, and silica particles; and

kneading the polyolefin, the polyamide, the silane coupling agent, and the silica particles.

10. The producing method as set forth in claim 7, wherein the content of the silica particles falls within a range from 1 to 100 parts by weight relative to 100 parts by weight of the polyolefin therein.

11. The producing method as set forth in claim 8, wherein the content of the silica particles falls within a range from 1 to 60 parts by weight relative to 100 parts by weight of the polyolefin therein.
12. The producing method as set forth in claim 9, wherein the content of the silica particles falls within a range from 1 to 60 parts by weight relative to 100 parts by weight of the polyolefin therein.
13. The producing method as set forth in claim 7, wherein a blend ratio of the polyolefin to the polyamide fibers in the polyamide ultrafine fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1 (polyolefin:polyamide).
14. The producing method as set forth in claim 13, wherein the blend ratio is 8:2 (polyolefin:polyamide).
15. The producing method as set forth in claim 8, wherein a blend ratio of the polyolefin to the polyamide fibers in the polyamide ultrafine fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1 (polyolefin:polyamide).
16. The producing method as set forth in claim 15, wherein the blend ratio is 8:2 (polyolefin:polyamide).

17. The producing method as set forth in claim 9, wherein a blend ratio of the polyolefin to the polyamide fibers in the polyamide ultrafine fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1 (polyolefin:polyamide).

18. The producing method as set forth in claim 17, wherein the blend ratio is 8:2 (polyolefin:polyamide).